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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Defense Contract Management Agency	Date: February 2018
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Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 5: System Development & Demonstration (SDD)</i>	PE 0605013BL / <i>Information Technology Development</i>											
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	158.343	11.505	12.322	11.988	-	11.988	12.122	12.230	12.390	12.638	Continuing	Continuing
01: <i>Systems Modifications and Development</i>	158.343	11.505	12.322	11.988	-	11.988	12.122	12.230	12.390	12.638	Continuing	Continuing

A. Mission Description and Budget Item Justification

The DCMA utilizes an agile incremental approach for system development, modernization, and sustainment allowing the DCMA to deploy needed systems and major business process changes. Through major initiatives like the Mechanization of Contract Administration Services (MOCAS) modernization, Integrated Workflow Management System (IWMS), and Talent Management System (TMS) the DCMA will reduce risk, improve performance, and enhance the competency of the acquisition workforce. These systems support the DCMA congressionally-mandated emerging missions focused on mission assurance and commercial item pricing. Furthermore, we are invigorating our efforts to adjust to the changing environment by achieving and sustaining audit readiness, creating an agile and flexible learning organization/ culture, and optimizing mission execution to support the acquisition enterprise through agile business practices.

B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	11.505	12.322	11.988	-	11.988
Current President's Budget	11.505	12.322	11.988	-	11.988
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Defense Contract Management Agency										Date: February 2018		
Appropriation/Budget Activity 0400 / 5					R-1 Program Element (Number/Name) PE 0605013BL / <i>Information Technology Development</i>				Project (Number/Name) 01 / <i>Systems Modifications and Development</i>			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
01: <i>Systems Modifications and Development</i>	158.343	11.505	12.322	11.988	-	11.988	12.122	12.230	12.390	12.638	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The DCMA utilizes an agile incremental approach for system development, modernization, and sustainment allowing the DCMA to deploy needed systems and major business process changes. Through major initiatives like the Mechanization of Contract Administration Services (MOCAS) modernization, Integrated Workflow Management System (IWMS), and Talent Management System (TMS) the DCMA will reduce risk, improve performance, and enhance the competency of the acquisition workforce. These systems support the DCMA congressionally-mandated emerging missions focused on mission assurance and commercial item pricing. Furthermore, we are invigorating our efforts to adjust to the changing environment by achieving and sustaining audit readiness, creating an agile and flexible learning organization/ culture, and optimizing mission execution to support the acquisition enterprise through agile business practices.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2017	FY 2018	FY 2019
Title: System Modifications and Development	11.505	12.322	11.988
Description: The DCMA utilizes an agile incremental approach for system development, modernization, and sustainment allowing the DCMA to deploy needed systems and major business process changes. Through major initiatives like the Mechanization of Contract Administration Services (MOCAS) modernization, Integrated Workflow Management System (IWMS), Talent Management System (TMS) and other Business intelligence activities the DCMA will reduce risk, improve performance, and enhance the competency of the acquisition workforce.			
FY 2018 Plans: MOCAS In FY 2018 the Mechanization of Contract Administration Services (MOCAS) Joint Program Management Office (JPMO) will focus on establishing the conceptual design and transition plan for a modernized MOCAS technical architecture based on a transition strategy developed in the end of FY 2017. The JPMO intends to utilize principals of the Federal Segment Architecture Methodology (FSAM) to iteratively modernize the legacy MOCAS core mission, business service, and enterprise service architectures. In parallel, Single Line of Accounting (SLOA) coding and testing will be completed. The Procurement Defense Standards (PDS)/Procurement Instrument Identifiers (PIID) data standards will be finalized and fully implemented as well. Lastly, the JPMO intends to establish a prototyping and testing lab consisting of servers, storage, and networking hardware to evaluate improved MOCAS technical architecture segments in accordance with the approved conceptual design and transition plan.			

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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2017	FY 2018	FY 2019
<p>IWMS The Integrated Workload Management System (IWMS) will add development and deployment of automated and semi-automated enterprise-wide functionally-integrated contract review, Financial Improvement and Audit Readiness (FIAR) audit management, and contract administration surveillance planning and execution capabilities throughout DCMA and begin development of contract close-out capabilities by 4th QTR FY 2018.</p> <p>TMS In FY 2018, DCMA's Talent Management System (TMS) Increment 2B will be deployed to 12,000 plus DCMA users while simultaneously transitioning all data and content off of the old stove piped All Training Frame Work (ATFW) system into the new TMS system. This Increment addresses needed production updates, simplifies workflows, develops Tag libraries to reduce html clutter, and provides vendor management and travel management capabilities. TMS will be intergraded with the Acquisition Workforce Qualification Initiative (AWQI) focused on on-the-job development for individuals' needs and the ability to view skill gaps at an organization level allowing for development of mitigation planning for systemic gaps. Increment 2B is scheduled to deploy the end of FY 2018 due to the need to bring on a new contract for further development. DCMA IT will also plan to position TMS as stand-alone infrastructure improving accessibility, security, and performance for DCMA's fully integrated training system.</p> <p>EVAS Earned Value Analysis System (EVAS) will continue its partnership with industry to maintain standardized Earned Value (EV) metrics and protocols. EVAS plans to execute a Commercial Off The Shelf (COTS) software configuration and deployment utilizing baseline EV metrics while performing and completing Increments 1, 2, 3, & 4 of configuration and testing. Initial Operational Capability (IOC) is scheduled for 2nd QTR FY 2018. IOC consists of the COTS software solution fully configured, tested, and deployed on a DCMA EV Data Analysis laptop with EV automated metrics and protocols available to DCMA Earned Value Management specialists. EVAS will use the remainder of FY18 to deploy to the EV community/field throughout DCMA.</p> <p>Asset and Service Management The DCMA is consolidating this cost category item into a new cost category item entitled "Business Intelligence Modernization" which will continue to modernize its Information Technology and Service Management (ITSM) capabilities to fall in line with the NDAA software asset and assurance mandates. In addition, the effort continues to align DCMA's Information Technology Business intelligence processes and capabilities with systems that can execute Information Technology Infrastructure Library (ITIL) best practices .</p>					

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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2017	FY 2018	FY 2019
<p>Supply Chain Risk Assessment System DCMA is consolidating this cost category item into a new cost category item entitled "Business Intelligence (BI) Modernization" and will continue development and upgrading for the Supply Chain Risk Assessment System's BI and reporting capabilities for better informed acquisition insight and process improvement.</p> <p>Modifications & Delivery Orders (MDO) DCMA is consolidating this cost category item into a new cost category item entitled "Business Intelligence (BI) Modernization" MDO and will continue to improve mass modification and related CARs efficiency, further reducing manual contract intervention. Among the planned objectives are Accounting Classification Reference Number (ACRN) functionality improvements, elevated ACO privileges and controls, and Federal Procurement Data System (FPDS) CAR data feed improvements.</p> <p>Other Programs DCMA is consolidating this cost category item into a new cost category item entitled "Business Intelligence (BI) Modernization" and will continue to support WAWF modifications for industry and infrastructure backbone modernization efforts in support of all DCMA web capabilities.</p> <p>Business Intelligence (BI) Modernization DCMA is modernizing and replacing its ageing critical contracting applications with a Business Intelligence enterprise solution which enables end users to analyze multidimensional data interactively from multiple perspectives and data sources both internal and external to DCMA allowing for complex analytical and ad hoc queries with a rapid execution time. This modernization effort would replace critical applications such as Modifications & Delivery Orders (MDO), Contractor Business Analysis Repository (CBAR) , Messaging & Collaboration Services (MCC), Contract Receipt, Review, and Routing System (CRR), Contract Management Property Administration System (CPAS), Enterprise Integrated BI Toolset (EITS) and other applications. The solution will provide end user self-service customization allowing for the creation and modification of canned and unique dashboards, displays, workspaces, and reporting. Other considerations include online analytical processing (OLAP) which is a broader category of business intelligence which can be used for report writing.</p> <p>FY 2019 Plans: MOCAS In FY 2019 the MOCAS JPMO's focus will transition from modernizing business processes to implementing the modernized conceptual design architectures established in FY 2018. The JPMO anticipates the legacy MOCAS architecture transition will commence through prototyping and analysis of detailed designs of early development focused on three key enterprise service segments; Data Migration and Stabilization, Enhanced Reporting and User Workflow Automation. Additionally, in parallel, the MOCAS JPMO working through the DoD-wide enterprise governance model will continue to study, select, design, develop,</p>					

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018
test, and implement critical System Change Requests (SCRs) to further yield efficiency within the DoD's Procure to Pay (P2P) Business Process.			
<p>IWMS</p> <p>IWMS will complete development and deployment of contract close-out and subsequently integrate with The Defense Contract Audit Agency (DCAA) and DCMA's Contract Business Analysis Repository to provide a "one stop shop" for DOD contract integration and close-out capabilities.</p> <p>TMS</p> <p>In FY 2019, TMS will plan, develop, test, and deploy Increment 3A to DCMA workforce and begin development of Increment 3B. Increment 3A will be deployed 2nd QTR FY 2019 and will focus on needed production updates, budgeting, and training certification capabilities. Increment 3B will focus on competency assessment, career development maps, Individual Development Plan (eIDP) management, On the Job Training (OJT) management, fulfillment checklist, certification management, and remaining items needed in the Tag library. Increment 3B is scheduled to be deploy 4th QTR FY 2019. In FY 2019, continued support to TMS Training requirements are imperative to the support and growth of DCMA's employees supporting the DCMA's acquisition oversight mission.</p> <p>EVAS</p> <p>Due to Cyber Enclave separation security requirements EVAS was required to pushed Phase II to the 4th quarter of FY 2019. EVAS plans to begin the second phase of the EVAS solution specifically the build out of the network infrastructure necessary to support the centralization of EV software and all supplier provided EV cost & schedule data. Centralization is necessary in order to deploy the EV Common Operation Picture allowing for automated real-time visibility across all EV programs, suppliers, and contracts.</p> <p>Business Intelligence (BI) Modernization</p> <p>BI Modernization will continue to provide internal DCMA end users self-service customization allowing for the creation and modification of canned and unique dashboards, displays, workspaces, and reporting across a multitude of DCMA functional capabilities. This cost category also includes online analytical processing (OLAP) which is a broader category of business intelligence which can be used for report writing.</p> <p>FY 2018 to FY 2019 Increase/Decrease Statement:</p> <p>Decrease related to MOCAS and IWMS movement from requirement and development phases to testing and development refinement for initial capability deployment coupled with inflation adjustment.</p>			
Accomplishments/Planned Programs Subtotals		11.505	12.322

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C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u> <u>Base</u>	<u>FY 2019</u> <u>OCO</u>	<u>FY 2019</u> <u>Total</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• 0701113BL: <i>PDW: Procurement Operations*</i>	2.439	4.297	3.823	-	3.823	2.866	2.895	2.924	2.983	Continuing	Continuing
• 0708550BL: <i>Operations & Maintenance</i>	-	-	138.319	-	138.319	123.575	131.065	123.564	123.599	Continuing	Continuing
• 0701113B:: <i>Operations & Maintenance</i>	129.499	168.639	7.945	0.000	7.945	20.464	17.414	28.336	31.438	Continuing	Continuing

Remarks

* Procurement amounts do not include Passenger Carrying Vehicle only includes IT related procurement

**Only O&M IT specific direct funding reflected above, reimbursable not included

D. Acquisition Strategy

The DCMA is invigorating efforts to adjust to the changing environment through achieving and sustaining audit readiness, creating an agile and flexible learning organization/culture to support future customer programs, initiating and strengthening acquisition processes and optimizing mission execution to support the acquisition enterprise through agile business practices. In pursuing these business practices, we are continuing to utilize both government full time equivalents and contractors to perform specialized functions such as software development, testing, and process automation.

E. Performance Metrics

To deliver on our mission and vision, the Agency is focused on four primary goals: 1) inform and contribute to cost control and affordability decisions; 2) develop agile business practices which optimize mission execution and support to the acquisition enterprise; 3) create and maintain an agile learning organization and culture that strives to exceed customer expectations; and 4) expect of ourselves what we expect of our contractors: good fiscal stewardship. All four of the strategic goals go directly to the heart of the DCMA mission. The Agency helps our partners spend their finite dollars wisely, ultimately ensuring the front line Warfighters get the equipment and services they need when they need them. Adherence to executing and ultimately attaining these goals will posture DCMA to positively support current and future Better Buying Power initiatives and initiatives in Services acquisition, innovative science and technology, and efforts to ensure greater acquisition affordability, and better cost control throughout the acquisition life cycle. Agency focus will not solely rest on qualitative contract administration functions, but will also focus on quantitative factors as well – those factors that will clearly emphasize the Agency's return on investment (ROI) to the Department and to our other customers and the taxpayers at large. The Agency recognizes the obligation to be effective stewards of the funds we receive. In 2016, DCMA's return on investment to the Department and our other customers was \$2 for each \$1 invested by DoD. Additional ROI for the Department is the expanded and expanding DCMA commercial pricing expertise that will continue to improve DoD buying power, the Services' lethality, operational readiness, and sustainment posture.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Defense Contract Management Agency												Date: February 2018			
Appropriation/Budget Activity 0400 / 5						R-1 Program Element (Number/Name) PE 0605013BL / Information Technology Development				Project (Number/Name) 01 / Systems Modifications and Development					
Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MOCAS	C/IDIQ	Various : Various	2.092	4.494	Apr 2017	5.081	Apr 2018	4.667	Apr 2019	-		4.667	Continuing	Continuing	Continuing
IWMS	Option/ IDIQ	Various : Various	3.263	0.500	Oct 2017	4.163	Oct 2018	1.857	Oct 2019	-		1.857	Continuing	Continuing	Continuing
TMS	Option/ IDIQ	Various : Various	3.602	0.999	Oct 2017	0.820	Oct 2018	1.291	Oct 2019	-		1.291	Continuing	Continuing	Continuing
EVAS	Option/ IDIQ	Various : Various	1.317	0.999	Apr 2017	-		1.934	Apr 2019	-		1.934	Continuing	Continuing	Continuing
Asset and Service Mgmt	C/BPA	Various : Various	0.306	0.999	Apr 2017	-		-		-		-	-	-	-
Supply Chain Risk Assessment	Option/ IDIQ	Various : Various	1.326	0.500	Nov 2016	-		-		-		-	-	-	-
Modification and Delivery Orders	C/IDIQ	Various : Various	0.714	0.799	Nov 2016	-		-		-		-	-	-	-
Other Programs	Option/ IDIQ	Various : Various	145.723	2.215	Nov 2016	-		-		-		-	-	-	-
Business Intelligence Modernization	C/Various	Various : Various	-	-		2.258	Oct 2018	2.239	Apr 2019	-		2.239	Continuing	Continuing	Continuing
Subtotal			158.343	11.505		12.322		11.988		-		11.988	Continuing	Continuing	N/A
			Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			158.343	11.505		12.322		11.988		-		11.988	Continuing	Continuing	N/A
Remarks The DCMA Information Technology supports the Agency’s CAS mission by capitalizing on IT investment innovations that leverage technology to achieve an agile enterprise architecture that improves its contract management workforce’s productivity, efficiency, and effectiveness.															

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Defense Contract Management Agency **Date:** February 2018

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605013BL / <i>Information Technology Development</i>	Project (Number/Name) 01 / <i>Systems Modifications and Development</i>
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	FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MOCAS																												
Requirement																												
Development																												
Testing																												
Deployment																												
IWMS																												
Requirement																												
Development																												
Testing																												
Deployment																												
TMS																												
Development																												
Testing																												
Deployment																												
EVAS																												
Testing																												
Deployment																												
Business Intelligence Modernization																												
Requirement and Development																												

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MOCAS																												
Requirement																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Defense Contract Management Agency **Date:** February 2018

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605013BL / <i>Information Technology Development</i>	Project (Number/Name) 01 / <i>Systems Modifications and Development</i>
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	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Development																												
Testing																												
Deployment																												
<i>IWMS</i>																												
Requirement																												
Development																												
Testing																												
Deployment																												
<i>TMS</i>																												
Development																												
Testing																												
Deployment																												
<i>EVAS</i>																												
Testing																												
Deployment																												
<i>Business Intelligence Modernization</i>																												
Requirement and Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2019 Defense Contract Management Agency			Date: February 2018
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605013BL / <i>Information Technology Development</i>	Project (Number/Name) 01 / <i>Systems Modifications and Development</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>MOCAS</i>				
Requirement	2	2016	4	2023
Development	2	2017	4	2023
Testing	3	2017	4	2023
Deployment	4	2018	4	2023
<i>IWMS</i>				
Requirement	1	2016	4	2019
Development	1	2016	2	2021
Testing	2	2016	2	2022
Deployment	2	2017	3	2022
<i>TMS</i>				
Development	1	2016	4	2020
Testing	1	2016	1	2021
Deployment	2	2016	2	2022
<i>EVAS</i>				
Testing	3	2016	1	2019
Deployment	1	2017	1	2019
<i>Business Intelligence Modernization</i>				
Requirement and Development	1	2016	4	2023